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FIG.1

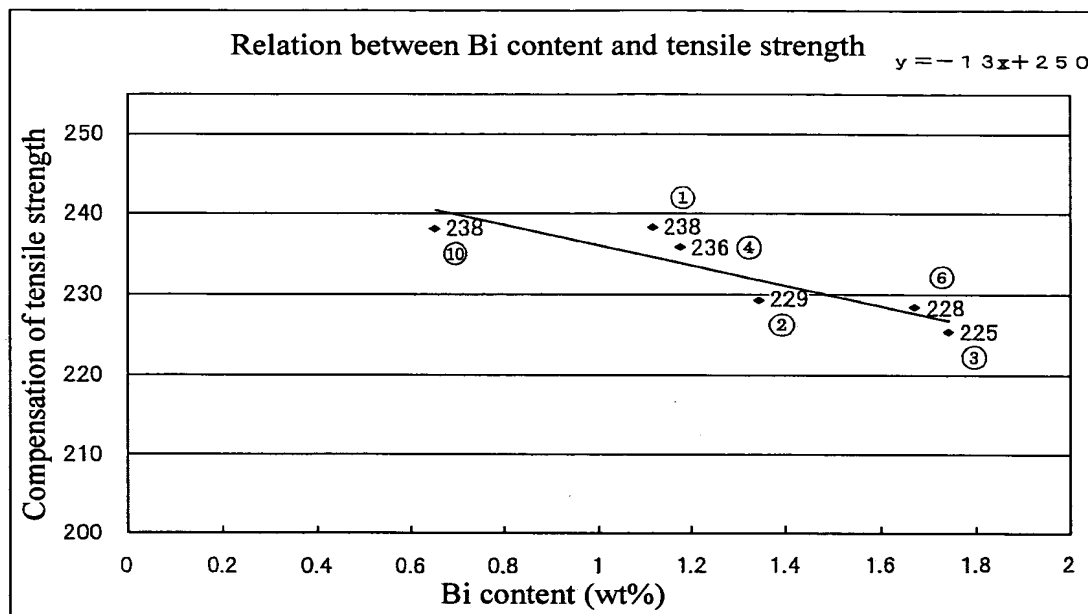


FIG.2

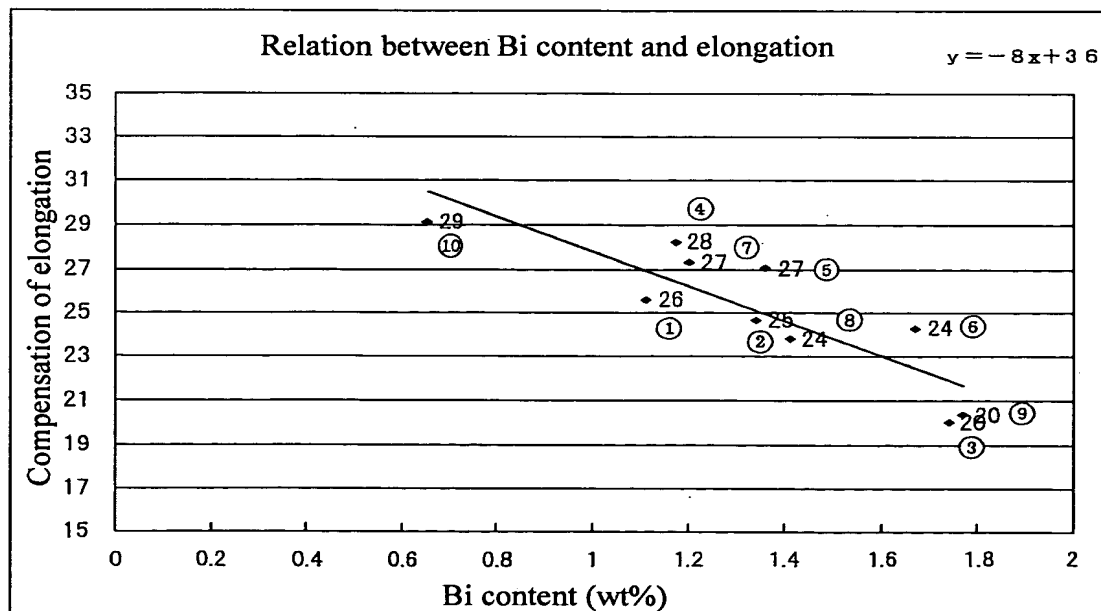


FIG.3

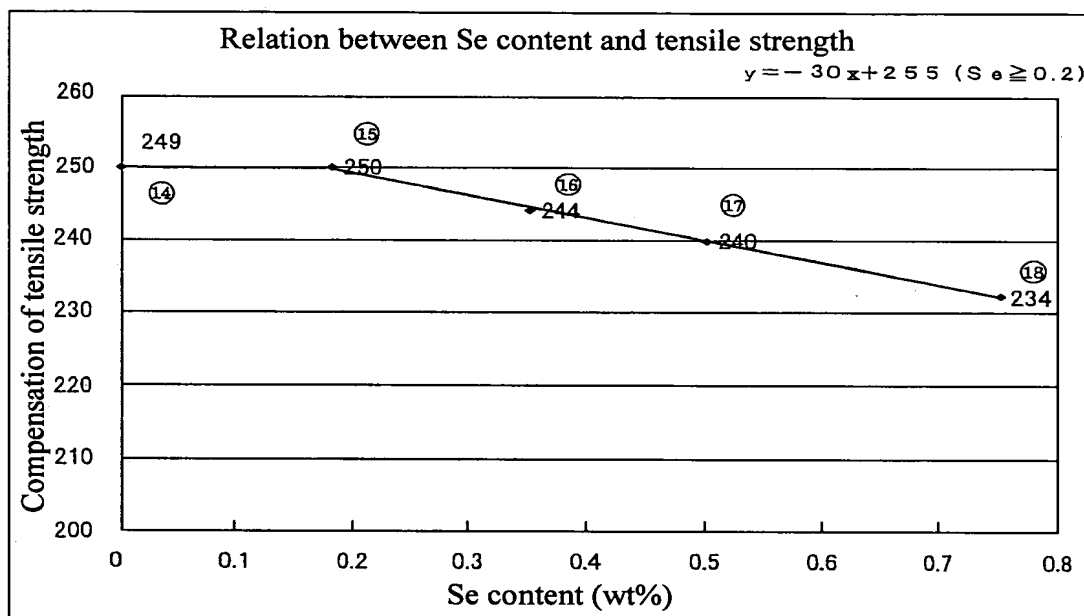
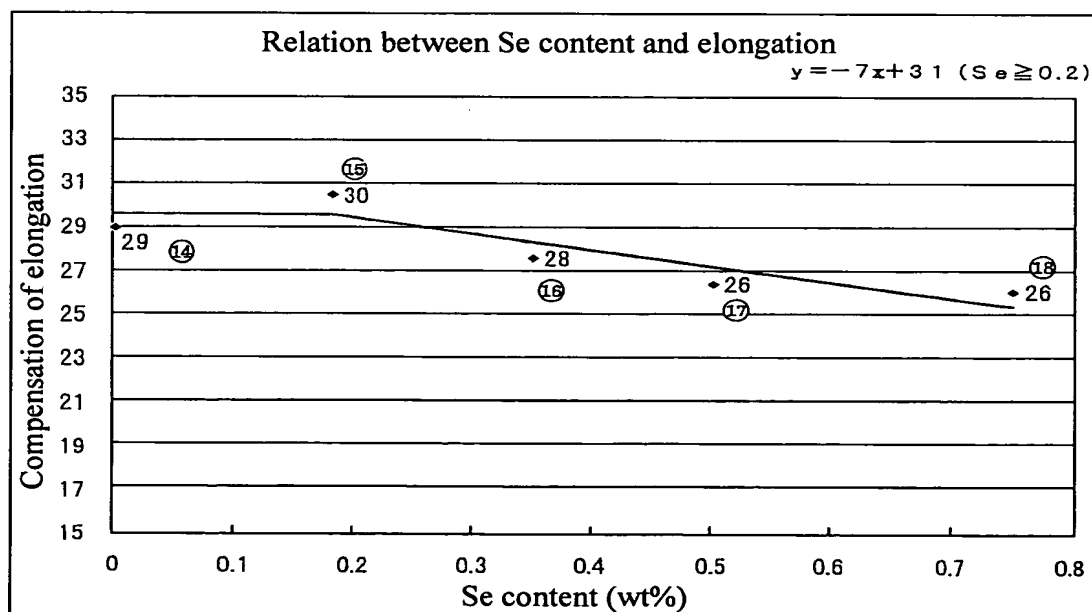


FIG.4



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FIG.5

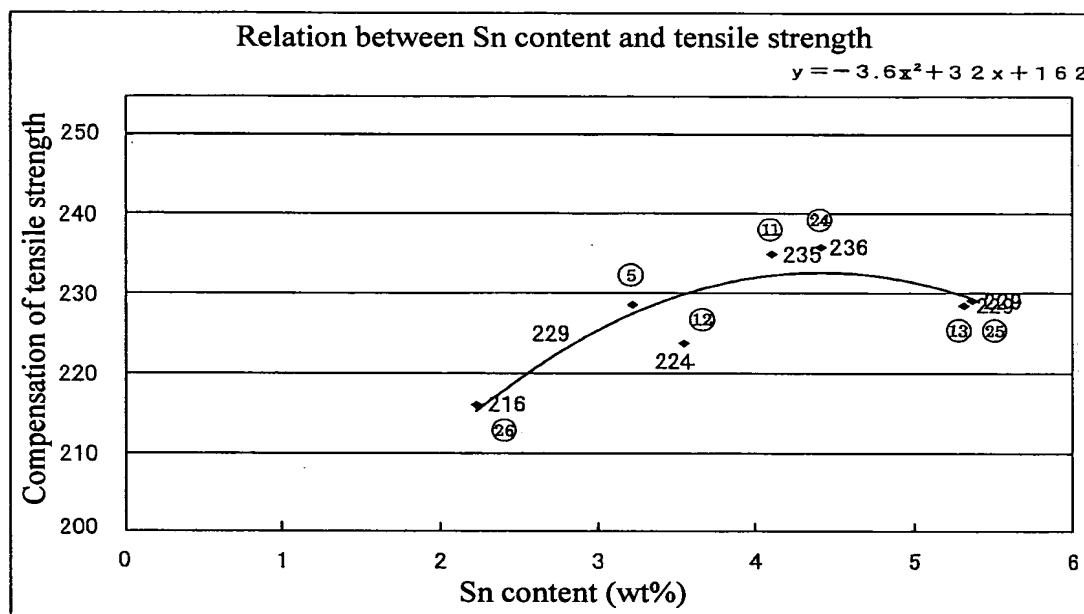
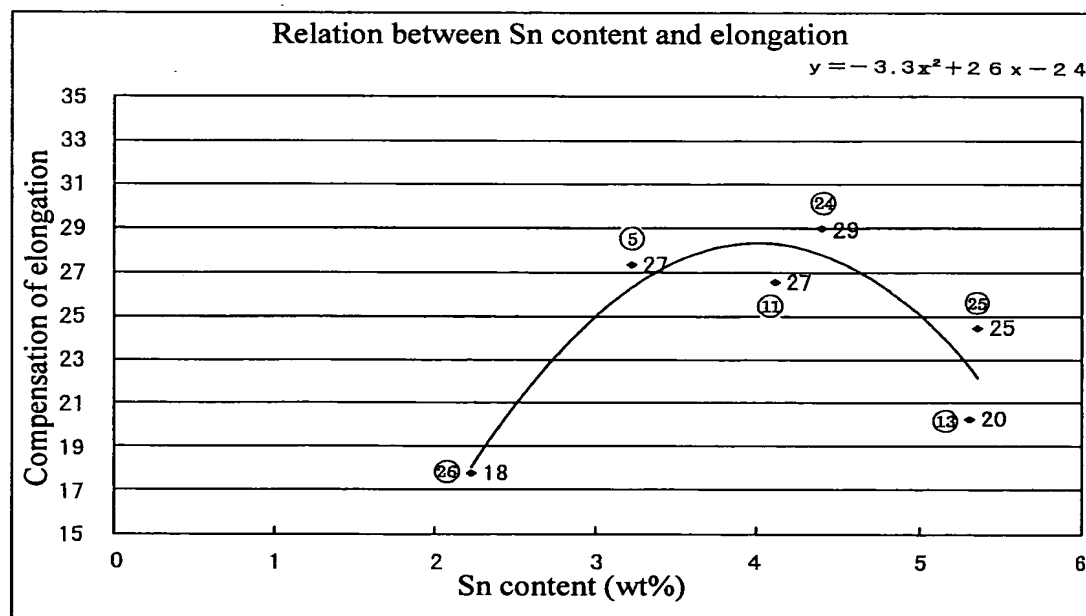


FIG.6



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FIG.7

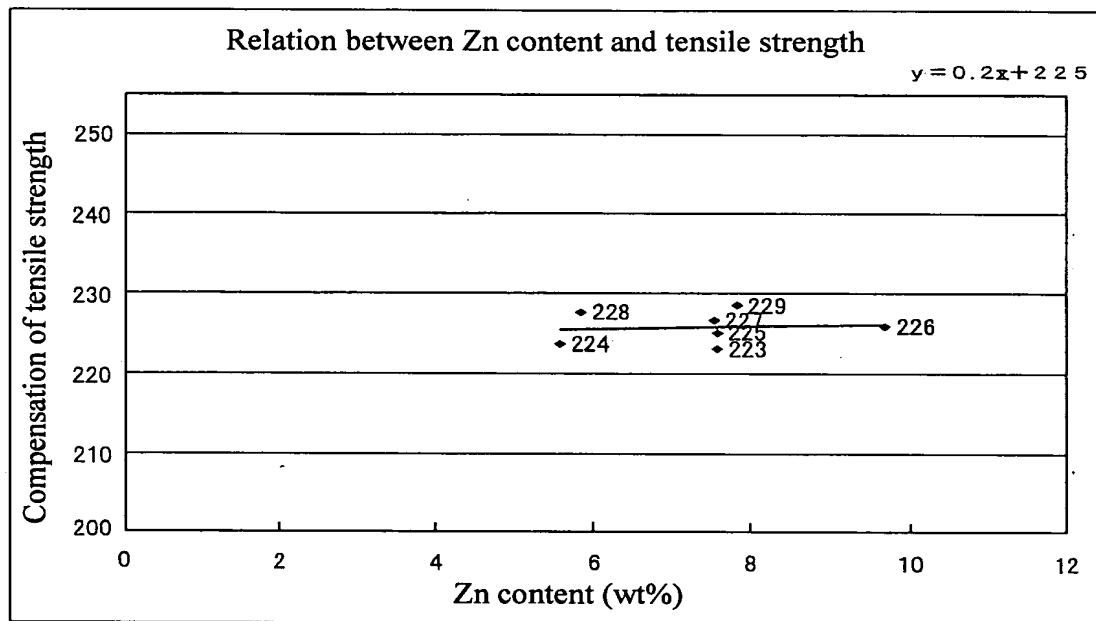
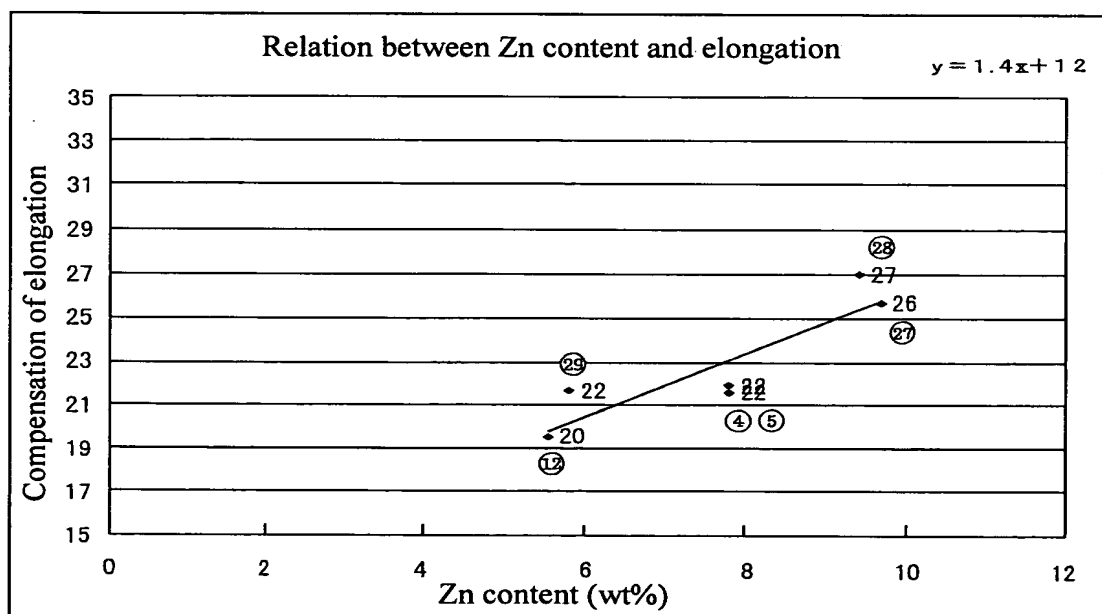


FIG.8



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FIG.9

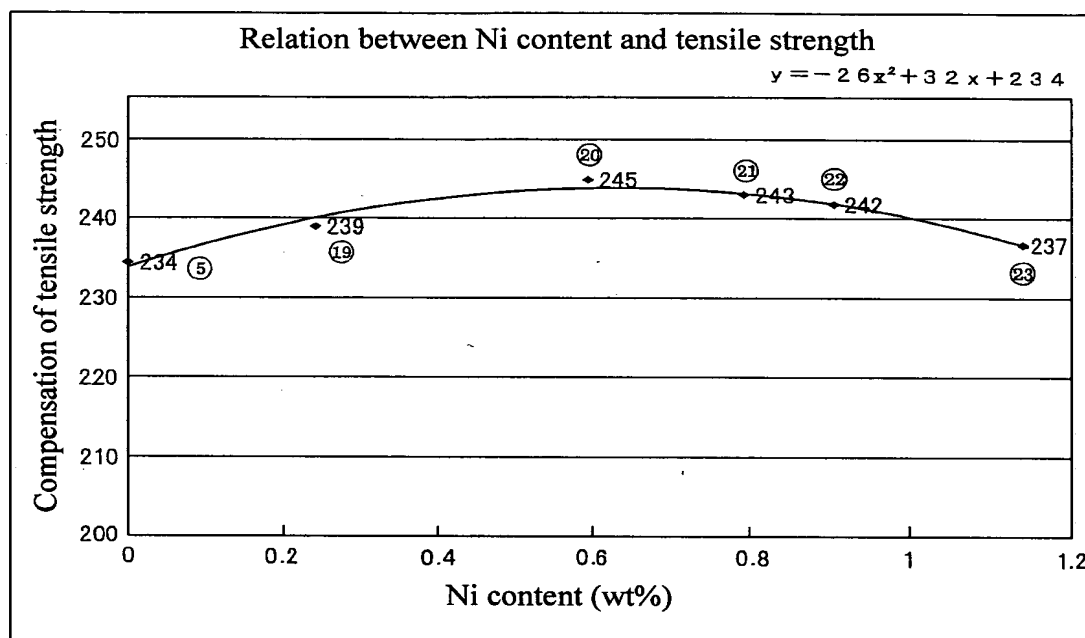
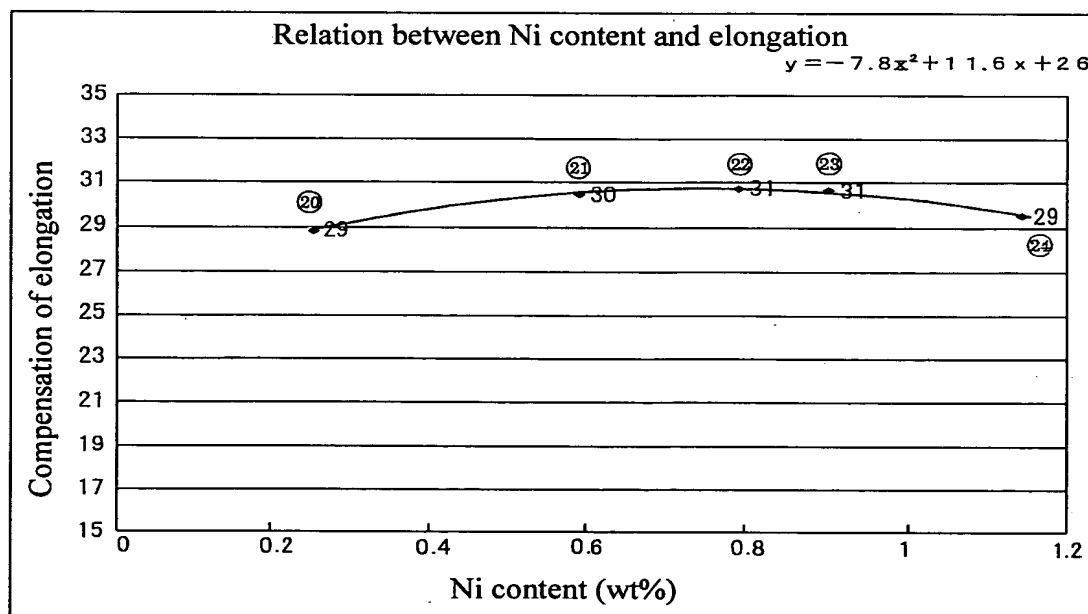


FIG.10



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FIG.11

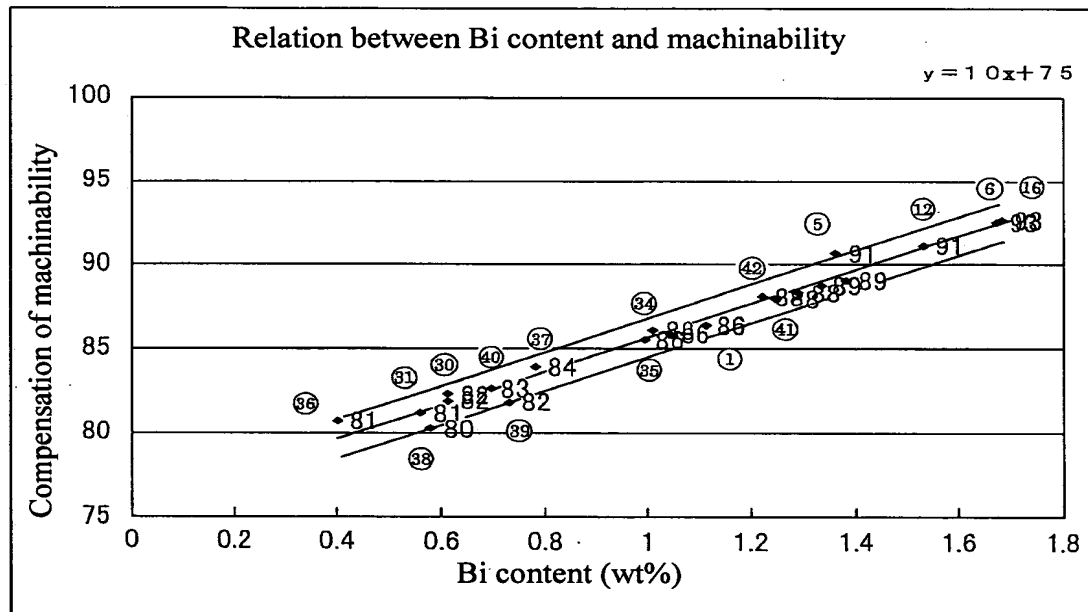


FIG.12

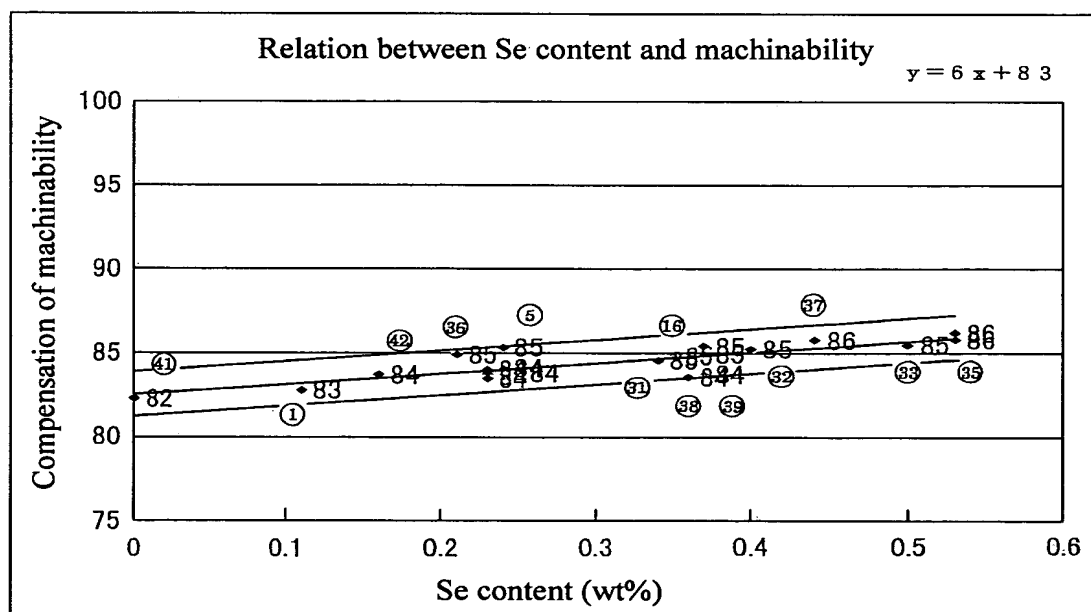


Figure 1 is a scatter plot showing the relationship between Sn content (wt%) on the x-axis and Compensation of machinability on the y-axis. The x-axis ranges from 0 to 4.5 wt% with major ticks every 0.5 units. The y-axis ranges from 75 to 100 with major ticks every 5 units. There are 15 data points, each represented by a numbered circle. A linear regression line is drawn through the data points, with the equation  $y = -1.8x + 91$  displayed in the upper right corner. The data points are approximately as follows:

Sn content (wt%)	Compensation of machinability	Point Number
2.0	86.5	31
2.3	86.5	37
2.4	88.5	34
3.0	84.5	40
3.2	85.5	38
3.3	86.5	36
3.4	85.5	35
3.5	84.0	84
3.6	82.0	12
4.1	83.0	42
4.2	82.5	33
4.3	82.5	32
4.4	82.5	39
4.5	81.0	41

Relation between Zn content and machinability

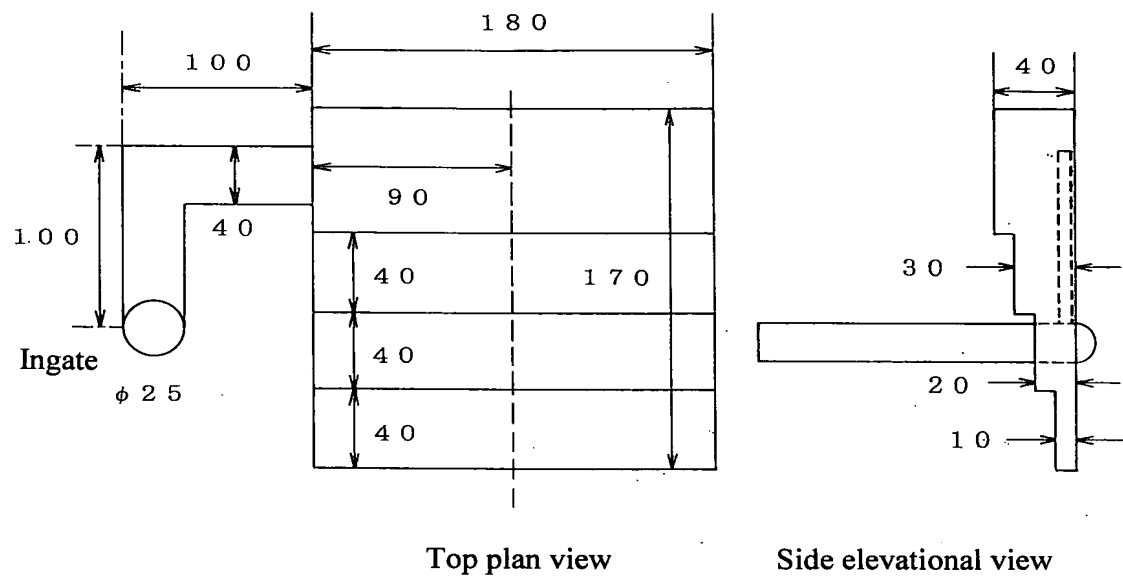
$y \doteq 85$

Compensation of machinability

Zn content (wt%)

Zn content (wt%)	Compensation of machinability	Label
5.5	85	85
7.5	84	84
7.5	85	85
7.5	86	86
7.5	87	87
7.5	88	88
7.5	89	89
7.5	90	90
7.5	91	91
7.5	92	92
7.5	93	93
7.5	94	94
7.5	95	95
7.5	96	96
7.5	97	97
7.5	98	98
7.5	99	99
7.5	100	100
9.5	84	84

FIG.15

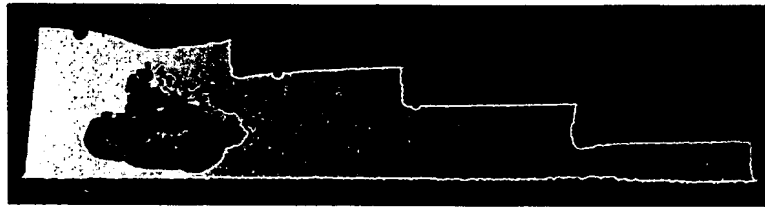




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FIG.16

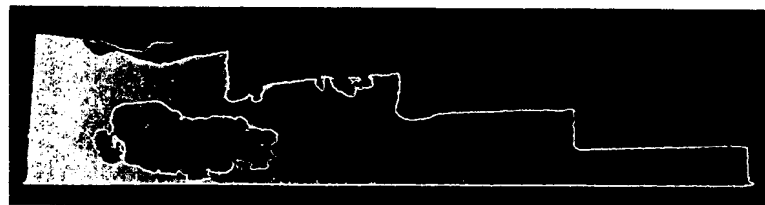
No. 1



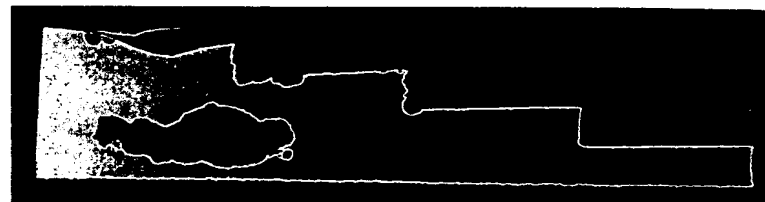
No. 2



No. 3



No. 4



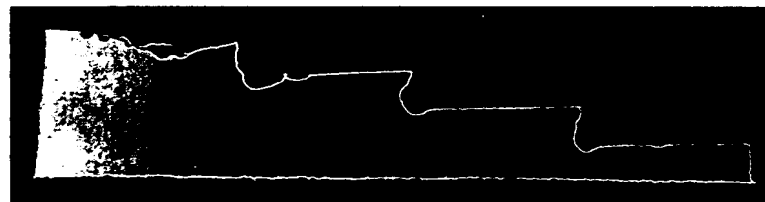
No. 5



No. 6



No. 7

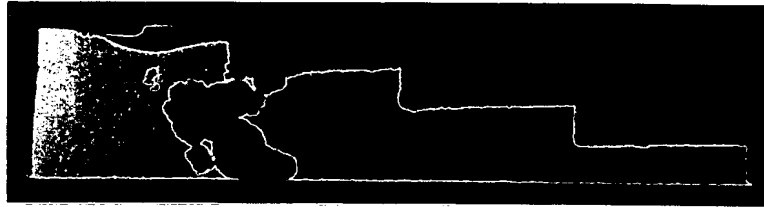


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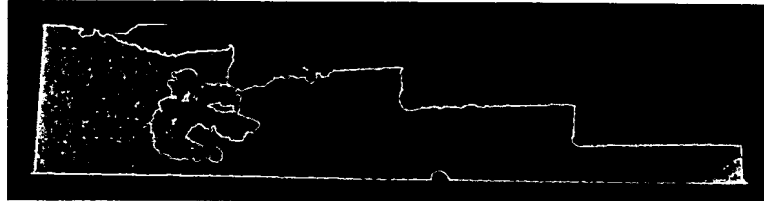
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FIG.17

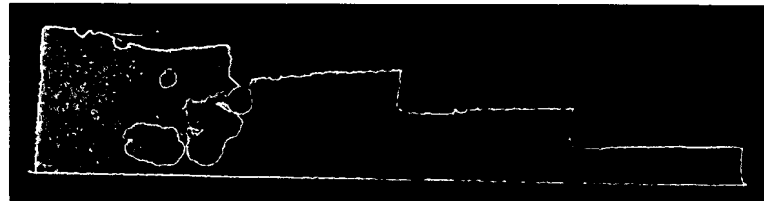
No. 8



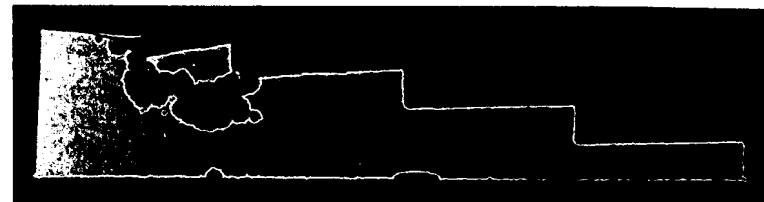
No. 9



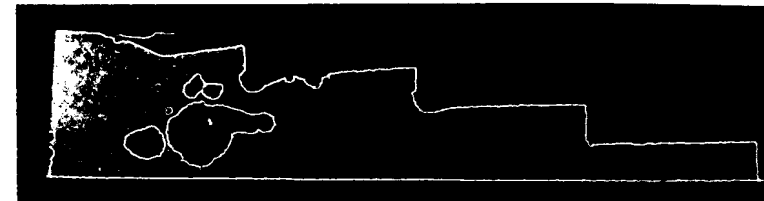
No. 10



No. 11



No. 12



No. 13



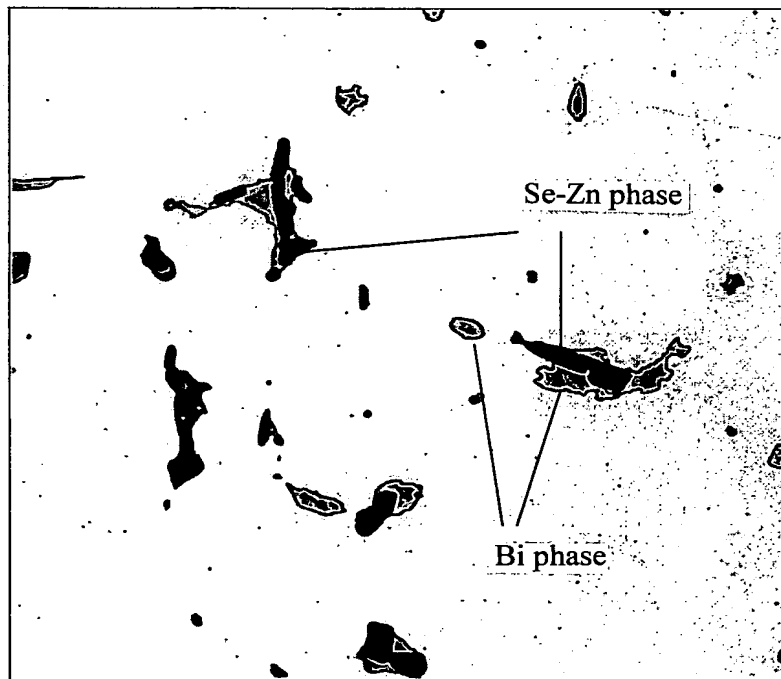
No. 14



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FIG.18



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FIG.19

Relation between Bi content and amount of Bi phase precipitation

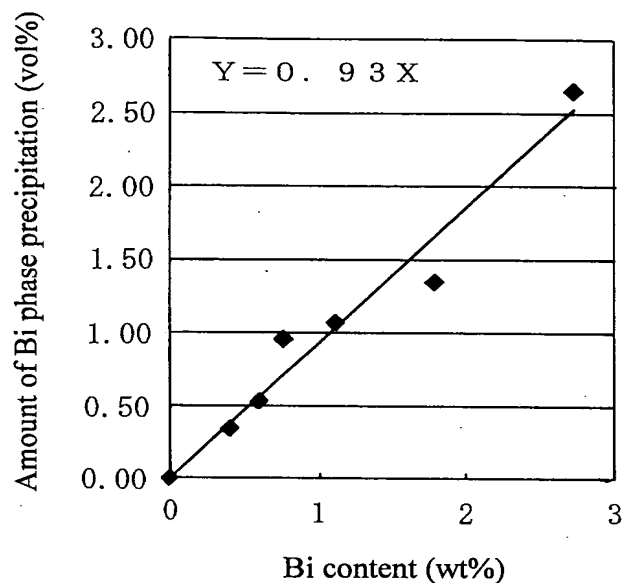
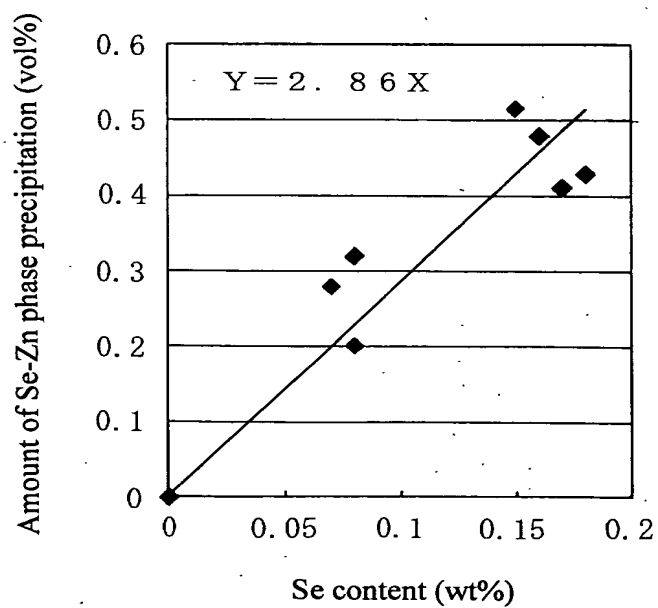


FIG.20

Relation between Se content and amount of Se-Zn phase precipitation



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FIG.21

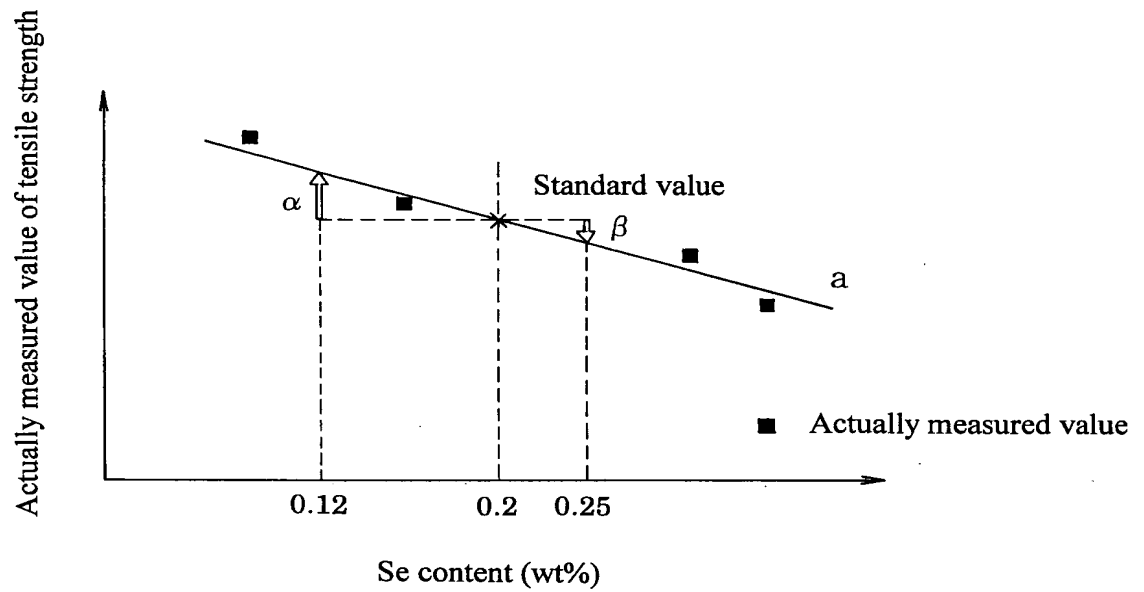


FIG.22

